

AMENDMENTS TO THE CLAIMS:

The following is the status of the claims of the above-captioned application, as amended.

Claims 1-13. (Canceled)

Claim 14. (Currently amended). A method for fermenting a bacterium, producing an enzyme of interest, in a culture medium of at least 50 liters, comprising:
adding one or more compounds selected from the group consisting of 1,2-propandiol, 1,3-propandiol, ethylene glycol, trehalose, xylitol, arabitol, dulcitol, erythritol, and sorbitol ~~and a polyether having an average molecular weight less than 1000~~, to the culture medium before and/or during fermentation.

Claim 15. (Previously presented). The method of claim 14, wherein the bacterium is a *Bacillus* strain.

Claim 16. (Previously presented). The method of claim 14, wherein the enzyme is a hydrolase.

Claim 17. (Previously presented). The method of claim 14, wherein the compound is added in an amount of least 0.1 % (w/w) of the culture medium.

Claim 18. (Previously presented). The method of claim 14, wherein the compound is 1,2-propandiol.

Claim 19. (Previously presented). The method of claim 14, wherein in addition to the compound a salt is added to the fermentation medium.

Claim 20. (Previously presented). The method of claim 19, wherein the salt is selected from the group consisting of a chloride, a sulphate, a phosphate, a nitrate, and an ammonium salt.

Claim 21. (Previously presented). The method of claim 14, wherein the enzyme of interest is recovered.

Claim 22. (Previously presented). The method of claim 14, wherein the enzyme is recovered after removal of the bacterium.

Claim 23. (Previously presented) The method of claim 14, wherein the one or more compounds is 1,3-propandiol.

Claim 24. (Previously presented) The method of claim 14, wherein the one or more compounds is ethylene glycol.

Claim 25. (Previously presented) The method of claim 14, wherein the one or more compounds is trehalose.

Claim 26. (Previously presented) The method of claim 14, wherein the one or more compounds is xylitol.

Claim 27. (Previously presented) The method of claim 14, wherein the one or more compounds is arabitol.

Claim 28. (Previously presented) The method of claim 14, wherein the one or more compounds is dulcitol.

Claim 29. (Previously presented) The method of claim 14, wherein the one or more compounds is erythritol.

Claim 30. (Previously presented) The method of claim 14, wherein the one or more compounds is sorbitol.

Claim 31. (Canceled)

Claim 32. (Currently amended). A method for fermenting a bacterium, producing an enzyme of interest, in a culture medium of at least 50 liters, comprising:
adding one or more compounds selected from the group consisting of 1,2-propandiol, 1,3-propandiol, ethylene glycol, trehalose, xylitol, arabitol, dulcitol, erythritol, and sorbitol

~~and a polyether having an average molecular weight less than 1000, to the culture medium during fermentation; and~~
recovering the enzyme of interest.

Claim 33. (Currently amended). A method of fermenting bacterium to produce an enzyme of interest comprising:
providing a culture medium of at least 50 liters;
adding during fermentation at least 0.1 % (w/w) of the culture medium one or more compounds selected from the group consisting of 1,2-propandiol, 1,3-propandiol, ethylene glycol, trehalose, xylitol, arabitol, dulcitol, erythritol, and sorbitol, ~~and polyether having an average molecular weight less than 1000; and~~
recovering the enzyme of interest.

Claim 34 (Previously presented) A method for fermenting a bacterium and producing an enzyme of interest in a culture medium of at least 50 liters comprising:
adding one or more compounds selected from the group consisting of 1,2-propandiol, 1,3-propandiol, ethylene glycol, trehalose, xylitol, arabitol, dulcitol, erythritol, and sorbitol ~~and a polyether having an average molecular weight less than 1000, to the culture medium before fermentation.~~

Claim 35. (New). A method for fermenting a bacterium, producing an enzyme of interest, in a culture medium of at least 50 liters, comprising:
adding one or more compounds selected from the group consisting of 1,2-propandiol, 1,3-propandiol, ethylene glycol, trehalose, xylitol, arabitol, dulcitol, erythritol, sorbitol and a polyether having an average molecular weight less than 1000, to the culture medium before and/or during fermentation, wherein the enzyme is a hydrolase.

Claim 36 (New). A method for fermenting a bacterium, producing an enzyme of interest, in a culture medium of at least 50 liters, comprising:
adding one or more compounds selected from the group consisting of 1,2-propandiol, 1,3-propandiol, ethylene glycol, trehalose, xylitol, arabitol, dulcitol, erythritol, sorbitol and a polyether having an average molecular weight less than 1000, to the culture medium during fermentation, wherein the compound is low metabolizable

measured by $(OD_{III}-OD_{II})/(OD_I-OD_{II})$ less than 25%, and added in an amount of 0.5-10 % (w/w) of the culture medium, wherein

OD_I is the amount of biomass measured as optical density (OD) at 650 nm with glucose as the only carbohydrate source;

OD_{II} is the amount of biomass measured as optical density (OD) at 650 nm without glucose; and

OD_{III} is the amount of biomass measured as optical density (OD) at 650 nm without glucose, but with the same C-mole of the compound to be tested.